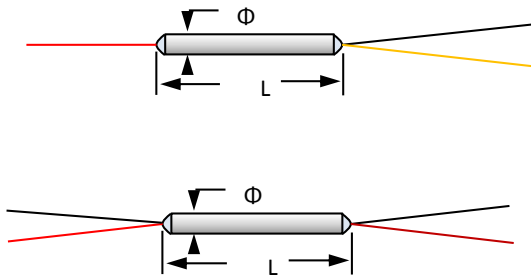


## 1×2, 2×2 SM Ultra-low Splitting Ratio Tap Couplers

The 1×2, 2×2 Single Mode Ultra-low Splitting Ratio Tap Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at 0.1%, 0.01% and 0.001% ultra-low splitting ratios.



### Features

- Low Excess Loss
- Low Insertion Loss
- High Reliability & Stability
- Ultra-low Coupling Ratio

### Applications

- High Power Fiber Amplifier
- Optical Testing
- Fiber Laser, Fiber Sensor
- High Power Monitor
- Lab & Research

### Performance Specification

Parameter	Value	Unit
Configuration	1X2, 2X2	
Center Wavelength	980, 1064, 1310, 1550 or customized	nm
Bandwidth	±20	nm
Typ. Excess Loss	0.03	dB
Max. Insertion Loss for Through Port	0.1	dB
	for 0.1% Tap Port	30±3
	for 0.01% Tap Port	40±4
	for 0.001% Tap Port	50±5
Max. Handling Power	5 (higher upto 20W available upon request)	W
Fiber Type	Single Mode Fiber	
Operating Temperature	-40 to +80	°C
Storage Temperature	-50 to +85	°C
Package Dimension	Φ3.0×L54 for bare fiber, and Φ3.0×L70 for 900um loose tube	mm

### Note

- \* Above specifications are for device without connectors.
- \* Connectors only max. CW 1W guarantee.

### Ordering Information

#### ULRTC-AAAA-BB-CCC-DD-E-FF-GG

AAAA	BB	CCC	DD	E	FF	GG
Wavelength	Port	Tap Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
830 - 830nm	12 - 1X2	01% - 0.1%	H7 - HI 780 Fiber	B - 250um Bare	05 - 0.5m	NE - None
850 - 850nm	22 - 2X2	001% - 0.01%	H6 - HI 1060 Fiber	Tube	08 - 0.8m	FA - FC/APC
980 - 980nm	SS - Specify	0001% - 0.001%	HF - HI 1061 Flex	L - 900um Loose	10 - 1.0m	FP - FC/PC
1040 - 1040nm		SSS - Specify	OF - OFS980-20	Tube	15 - 1.5m	SA - SC/APC
1050 - 1050nm			SM - SMF-28e Fiber	C - 3.0mm Cable	SS - Specify	SP - SC/PC
1064 - 1064nm			SS - Specify			LA - LC/APC
1310 - 1310nm						LP - LC/PC
1480 - 1480nm						SS - Specify
1550 - 1550nm						
1625 - 1625nm						
SSSS - Specify						